

REMARKS

Reconsideration of the above-identified application in view of the amendments above and the remarks following is respectfully requested.

Claims 1 – 22 are in this case. Claims 1 – 22 have been rejected under 35 USC §112 and 35 USC §103.

§112 REJECTIONS

In response to the Examiner's analysis, claims 1, 2, 5 – 9, 12, 13, and 16 – 21 have been amended to be responsive to the Examiner's comments regarding the §112 rejections. All claims have further been amended in the appropriate technical details for continuity and readability. No new material has been entered, and the claim amendments are fully-supported by the specification as originally filed. The Applicants believe that the amended claims fully conform with 35 USC §112.

The Applicants respectfully note that the claims have been amended as above for the sole purpose of compliance with 35 USC §112. The limitations, scope, and intent of the amended claims are the same as those of the original claims.

§103 REJECTIONS

The Examiner has rejected claims 1 – 22 under 35 USC §103(a) as being unpatentable over Lin et al. U.S. Pub. No. 2005/0015588. The Applicants respectfully traverse this rejection on the grounds that Lin et al. U.S. Pub. No. 2005/0015588 fails to qualify as prior art against the present application under 35 USC §103(a), as detailed below.

The filing date of the present application is August 27, 2003, which precedes the July 15, 2004 filing date of Lin et al. U.S. Pub. No. 2005/0015588 (hereinafter

denoted as “Lin”). The relevance of Lin to the present application rests entirely on Lin’s claim to the benefit of U.S. Provisional Application No. 60/488,585 filed on July 17, 2003. However, the Applicants respectfully note that the Provisional Application filing — U.S. PPA 60/488,585 — fails to disclose all the limitations in the independent claims of the present application. In particular, the relevant material in Lin concerning a public-key mechanism as recited in the present application’s independent claims 1, 8, 16, and 19 was disclosed only in the non-provisional application filed July 17, 2004, nearly a year after the filing of the present application. The Provisional Application filing U.S. PPA 60/488,585 filed on July 17, 2003 discloses only one-time passwords and a display therefor. Provisional Application filing U.S. PPA 60/488,585 fails to disclose a public key mechanism of any kind.

For the convenience of the Examiner in verifying that Lin fails to anticipate all the limitations of the independent claims of the present application, the Applicants herewith cite the text of U.S. PPA 60/488,585 in its entirety:

BACKGROUND OF THE INVENTION

Field of the Invention

The present invention is a unique token device that generates and displays one-time passwords and that also couples to a computer for inputting or receiving data for generating and outputting one-time passwords and other functions.

DETAILED DESCRIPTION OF THE INVENTION

The present invention is comprised of a unique token device that generates and displays one-time passwords and that also couples to a computer for inputting or receiving data for generating and outputting one-time passwords and other functions. The invented token device

includes an interface for coupling the token to a computer. The interface is configured to couple the token to a data port of the computer, and thus also couple the token to a network that the computer may be connected to, for transmitting data and information to or from the computer or to or from the network via the computer.

Various methods may be used to generate the one-time password output by the token. For example, in a first preferred embodiment, when the interface couples the token to a data port of a computer, the token may receive data via the interface from the computer or from a network that the computer may be connected to. The data received by the token via the interface may include information used in generating and outputting the one-time password.

Referring to the drawing in Figures 1-3, the invention comprises a unique token device or token, shown generally at 10. The token includes a body portion 12 and a display portion 14 that may be rotatably or otherwise coupled to the body portion 12.

The body portion 12 may house an on-board processor and memory, shown generally at 16 for processing and storing data. The processor 16 may be capable of generating a one-time password that may be displayed on the display portion 14. The one-time password output by the token may comprise a string of alphanumeric characters. Preferably the string of alphanumeric characters ranges from six to eight characters. The token may be provided with a unique string of information for identifying that particular token. A copy of the unique string of information may reside at a remote location, such as a server of a network.

The display portion 14 may include a display 20. The display 20 may preferably be a Liquid Crystal Display (LCD) or Light Emitting Diode (LED) display that is electronically coupled to the processor 16. The display 20 is preferably capable of displaying a plurality of numeric or alphanumeric characters, shown generally at 22 that can be viewed through a window 23. The display portion 14 may be rotatably or

otherwise coupled to the body portion 12 to prevent damage to the display 20.

The display portion 14 includes an interface 26 for coupling the token 10 to a data port of a computer (both not shown). The interface 26 may be provided in any suitable known data interface configuration. Preferably, the interface 26 is provided in a known USB configuration for coupling to a USB port of a computer. Alternatively, token 10 may optionally function externally of the network and without coupling to a data port of a computer.

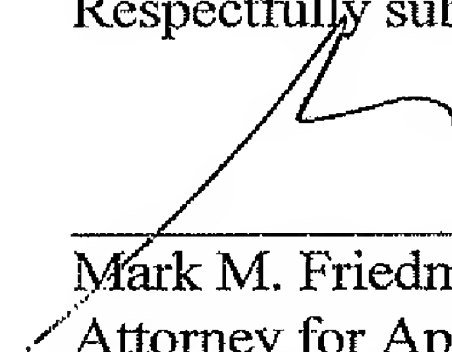
The display portion 14 may further include an activation button 24. The activation button 24 may be provided for activating the display 20.

The Applicants respectfully note that the Lin Provisional Patent Application as cited above fails to contain any reference or suggestion pertaining to the use of a public key mechanism or infrastructure of any kind. This reference fails to disclose “public key”, “PKI”, “asymmetric encryption”, or any similar concept, as recited in the independent claims of the present application (in both the original claims and the amended claims). The applicable requirement is stipulated in MPEP 2143.03 “All Claim Limitations Must Be Taught or Suggested” — *In re Royka*, 490 F. 2d 981, 180 USPQ 580 (CCPA 1974). Consequently, the Lin reference cited in the present Office Action fails to qualify as prior art against the present application for purposes of a 35 USC §103(a) rejection: U.S. Pub. No. 2005/0015588 was filed after the priority date of the present application; and the Provisional Application from which it claims benefit fails to teach or suggest all the claim limitations of the present application.

In conclusion, the Examiner’s comments have been given careful and thorough consideration in the above amendments to the application. The applicants have also

demonstrated that the cited reference to Lin does not qualify as prior art against the present application. In view of the above amendments and remarks it is respectfully submitted that the amended claims are responsive to the Examiner's Action and are in condition for allowance. Accordingly, a notice of allowance is respectfully and earnestly solicited.

Respectfully submitted,



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Date: June 4, 2007

A TOKEN DEVICE THAT GENERATES AND DISPLAYS ONE-TIME PASSWORDS AND THAT COUPLES TO A COMPUTER FOR INPUTTING OR RECEIVING DATA FOR GENERATING AND OUTPUTTING ONE-TIME PASSWORDS AND OTHER FUNCTIONS

BACKGROUND OF THE INVENTION

Field of the Invention

5 The present invention is a unique token device that generates and displays one-time passwords and that also couples to a computer for inputting or receiving data for generating and outputting one-time passwords and other functions.

DETAILED DESCRIPTION OF THE INVENTION

10 The present invention is comprised of a unique token device that generates and displays one-time passwords and that also couples to a computer for inputting or receiving data for generating and outputting one-time passwords and other functions. The invented token device includes an interface for coupling the token to a computer. The interface is configured to couple the token to a data port of the computer, and thus also couple the token to a network that the computer may be connected to, for transmitting data and information to or from the computer or to or from the network via the computer.

20 Various methods may be used to generate the one-time password output by the token. For example, in a first preferred embodiment, when the interface couples the token to a data port of a computer, the token may receive data via the interface from the computer or from a network that the computer may be connected to. The data received by the token via the interface may include information used in generating and outputting the one-time password.

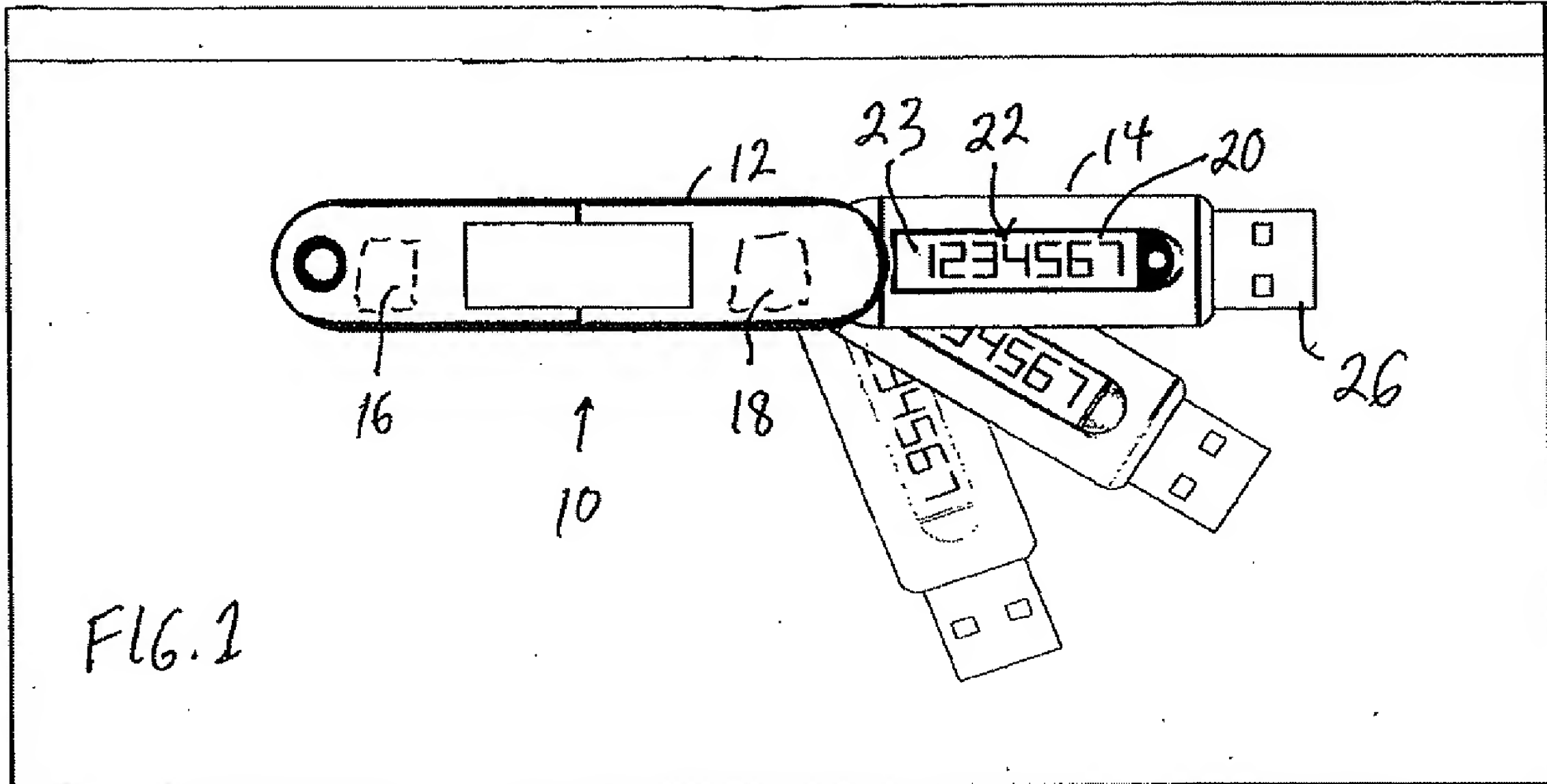
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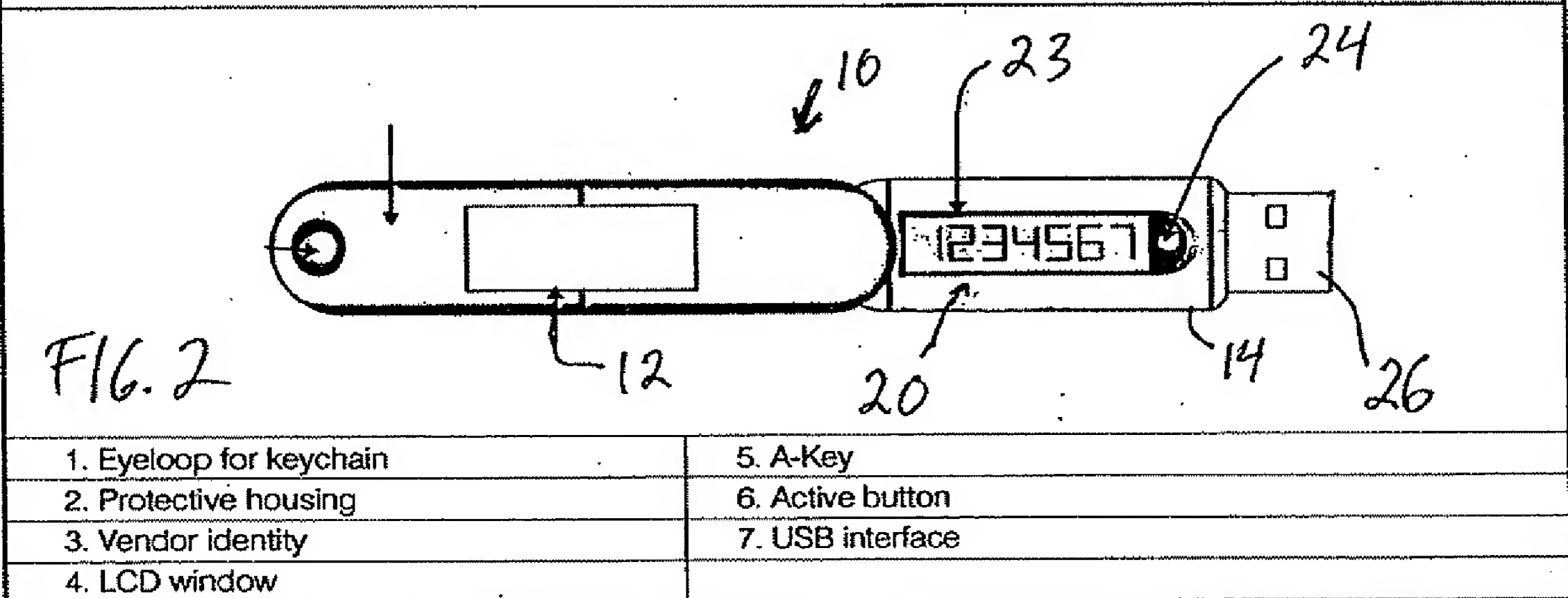
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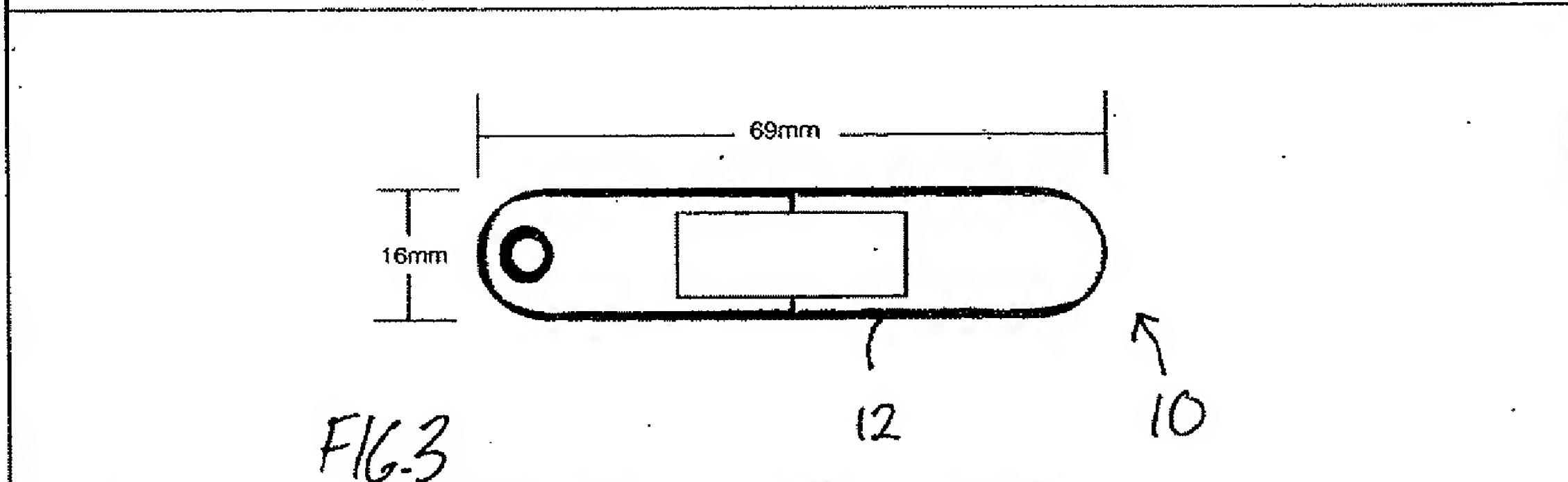
The display portion 14 may further include an activation button 24. The activation button 24 may be provided for activating the display 20.



COMPONENTS LEGEND:



PROPOSED DIMENSIONS [CLOSED]:



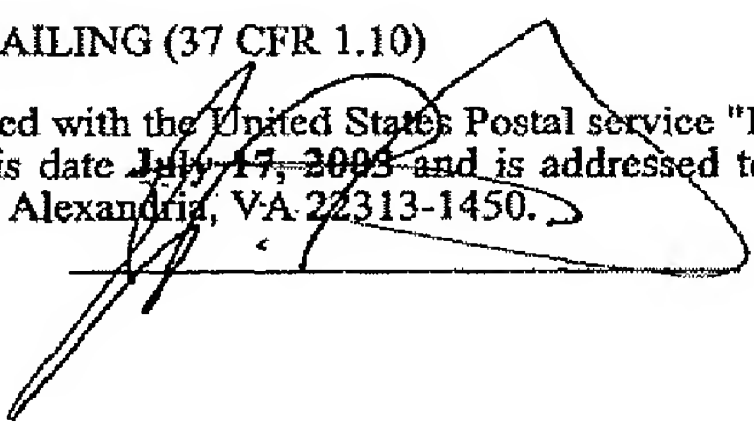
Atty. Docket No.: AUT03-TD01-PRO
Express Mail Label No.: EU 232889813 US

PROVISIONAL PATENT APPLICATION

A TOKEN DEVICE THAT GENERATES AND DISPLAYS ONE-TIME
PASSWORDS AND THAT COUPLES TO A COMPUTER FOR
INPUTTING OR RECEIVING DATA FOR GENERATING AND
OUTPUTTING ONE-TIME PASSWORDS AND OTHER FUNCTIONS

Inventors: Paul Lin, United States Citizen
Henry Hon, United States Citizen

CERTIFICATE OF MAILING (37 CFR 1.10)

I hereby certify that this paper or fee is being deposited with the United States Postal service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on this date July 17, 2003 and is addressed to: Mail Stop Patent Application, Commissioner for Patents, PO BOX 1450, Alexandria, VA 22313-1450. 

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